

Data Used for Analysis

- **Short Range data**
 - 8 miles / 10,000 feet
 - Monthly through July 99

- **Long Range data**
 - 30 miles / 20,000 feet data range for special studies
 - Two weeks in April 98 set as baseline
 - One week each in January 99, March 99, June 99 and August 99 provide updates

No Early Turn Before Shoreline

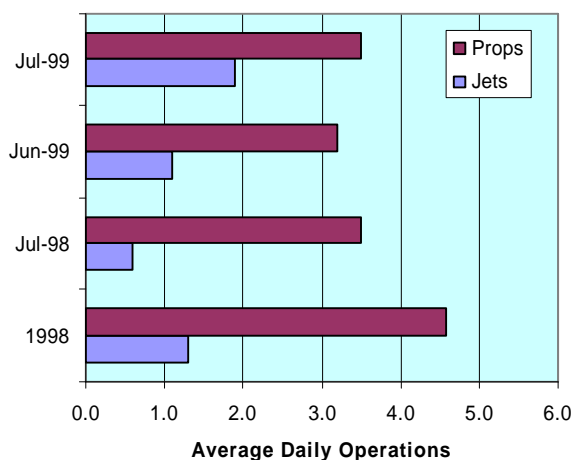
Aircraft departing to
 west to maintain runway
 heading past shoreline
 before turning south

Recent Compliance:

July-99 99.5%

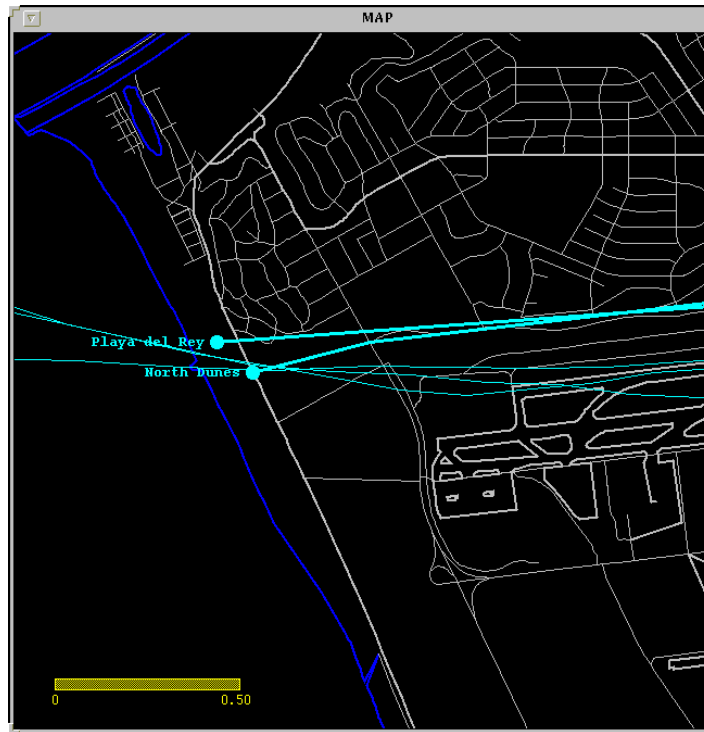


Historical Performance (average day):



	1998	Jul-98	Jun-99	Jul-99
Jets	1.3	0.6	1.1	1.9
Props	4.6	3.5	3.2	3.5

“Early Turn” Gate Change at Playa Del Rey



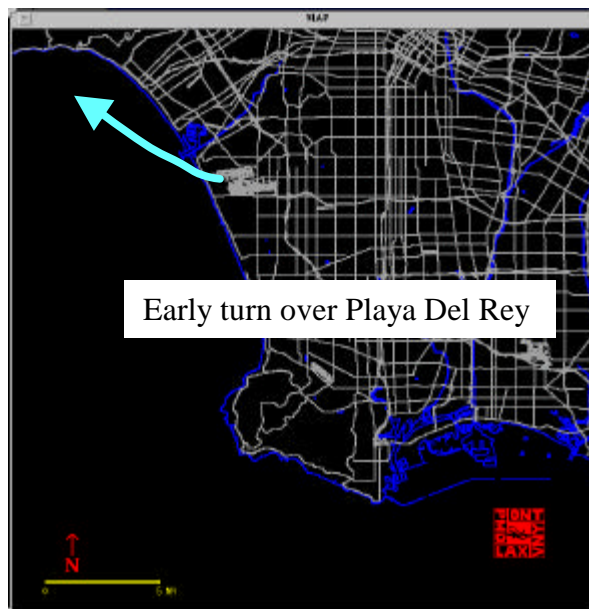
- In October 98, the “gate” used for northern-boundary early turns was shifted slightly south, following a request from City Council staff and the public. This sets it a comparable distance from the runway centerline as the boundary on the south
- Query used for turboprops was not changed until July 1999
- December 98 through the present data has been corrected to reflect this change in the gate location

No Early Turn Before Shoreline

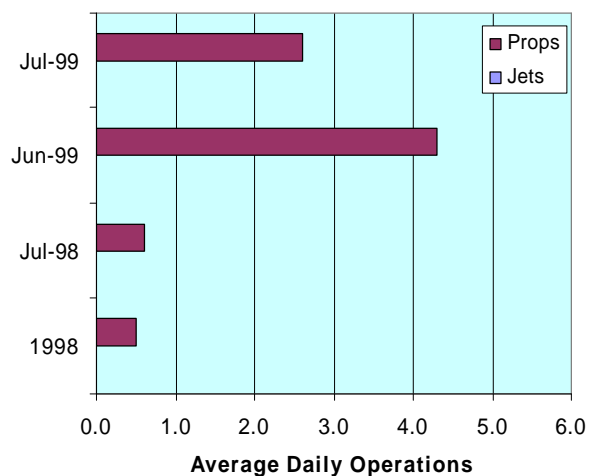
Aircraft departing to
 west to maintain runway
 heading past shoreline
 before turning north

Recent Compliance:

July-99 99.74%



Historical Performance (average day):



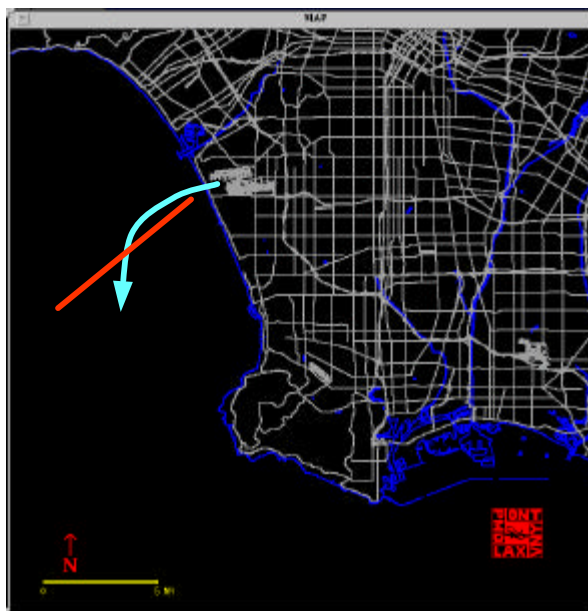
	1998	Jul-98	Jun-99	Jul-99
Jets	0.0	0.0	0.0	0.0
Props	0.5	0.6	4.3	2.6

LAX R-210 Departure Policy

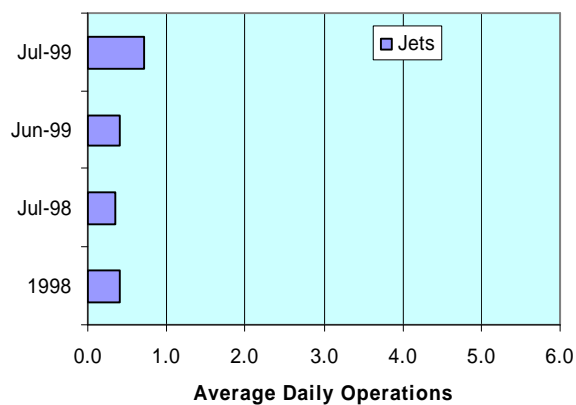
Jet aircraft departing to
 west to reach 3000 feet
 before commencing turn
 south

Recent Compliance:

July-99 99.93%



Historical Performance (average day):



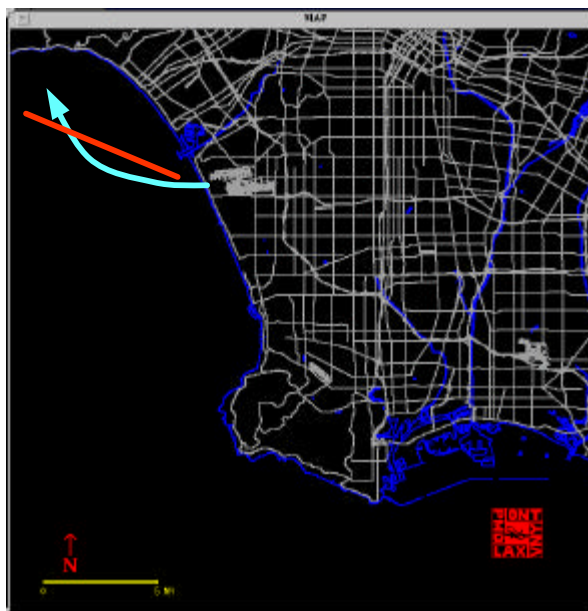
	1998	Jul-98	Jun-99	Jul-99
Jets	0.4	0.4	0.4	0.7

LAX R-270 Departure Policy

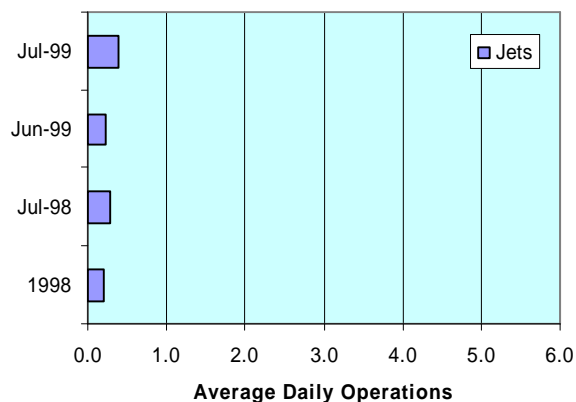
Jet aircraft departing to
 west to reach 4000 feet
 before commencing turn
 north

Recent Compliance:

July-99 99.99%



Historical Performance (average day):



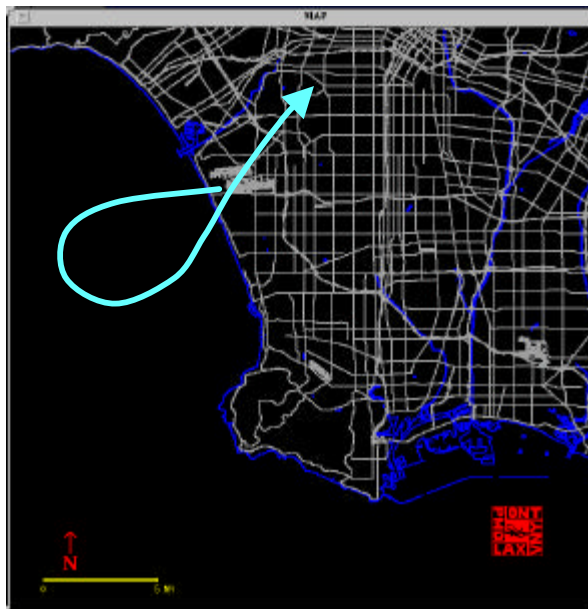
	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Jets</u>	0.2	0.3	0.2	0.4

LAX Loop Departure - Altitude

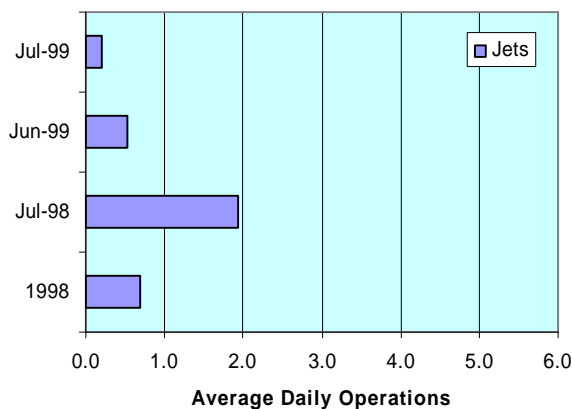
Aircraft using loop
 departure to reach
 10,000 feet before re-
 crossing shoreline

Recent Compliance:

July-99 99.9%



Historical Performance (average day):



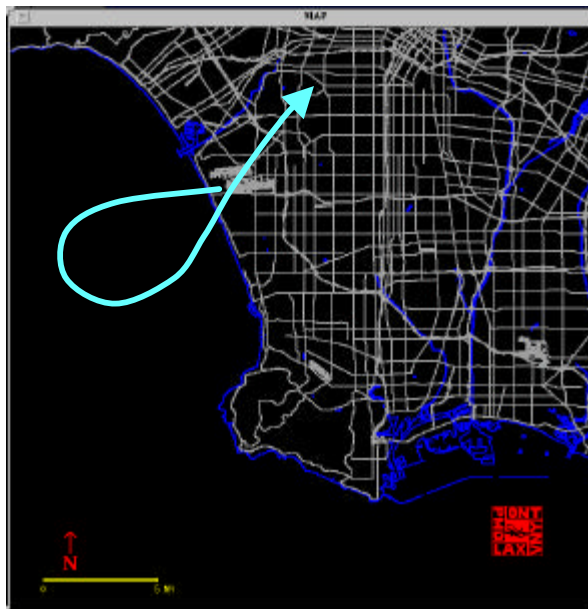
	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Jets</u>	0.7	1.9	0.5	0.2

LAX Loop Departure - Time of Day

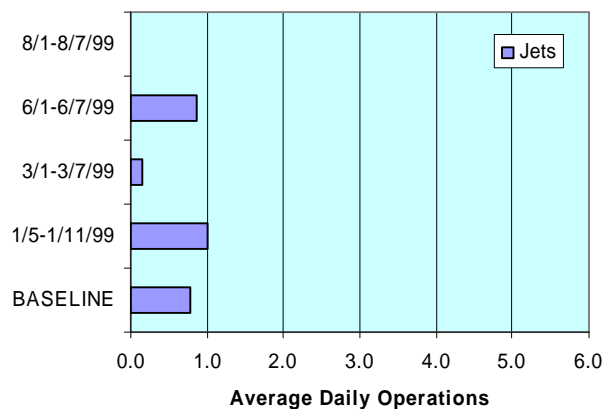
Departure procedure
 to be used between
 0700 and 2100 only

Recent Compliance:

August-99 100.0%



Historical Performance (average day):

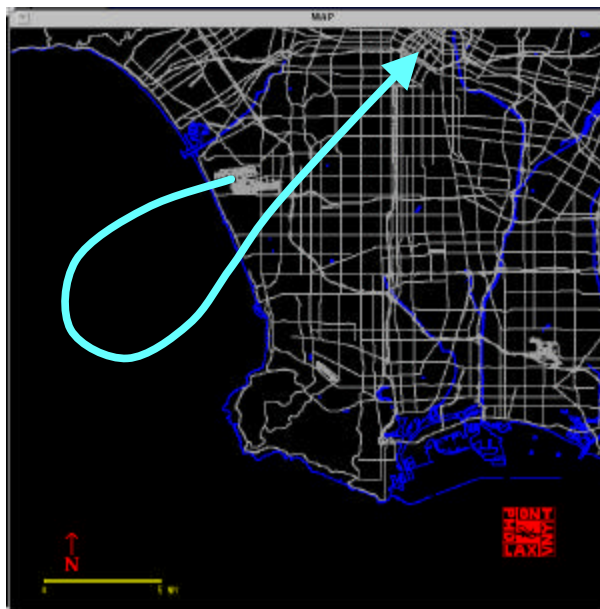


	<u>BASELINE</u>	<u>1/5-1/11/99</u>	<u>3/1-3/7/99</u>	<u>6/1-6/7/99</u>	<u>8/1-8/7/99</u>
<u>Jets</u>	0.8	1.0	0.1	0.9	0.0

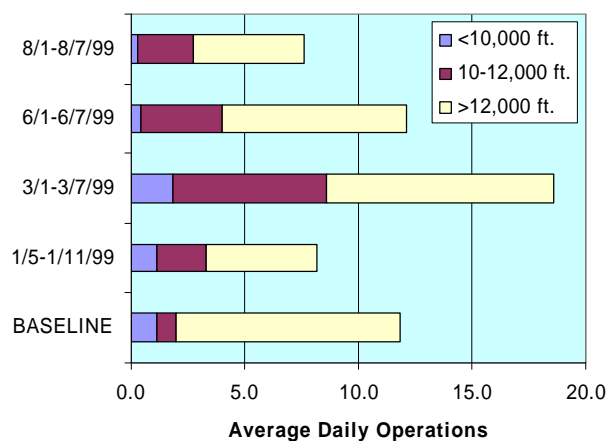
LAX Loop Departure - Manhattan Beach

Monitoring loop
 departures overflying
 community

Occurrence Rate:
August-99 5.4%



Historical Performance (average day):

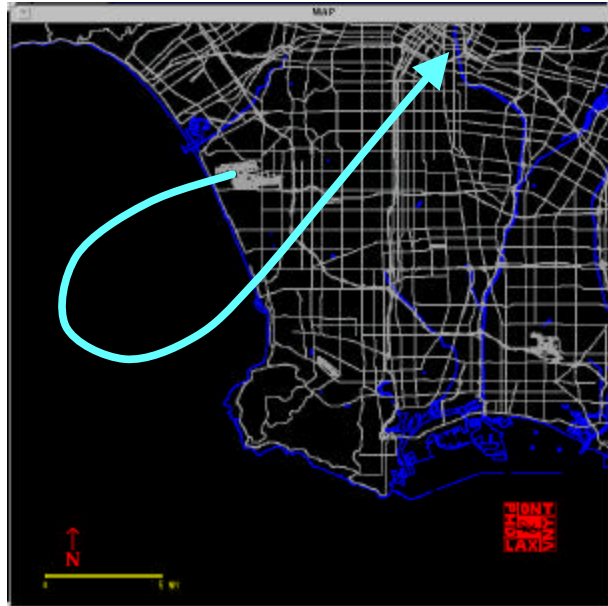


	BASELINE	1/5-1/11/99	3/1-3/7/99	6/1-6/7/99	8/1-8/7/99
<10,000 ft.	1.1	1.1	1.9	0.4	0.3
10-12,000 ft.	0.9	2.1	6.7	3.6	2.4
>12,000 ft.	9.9	4.9	10.0	8.1	4.9
Total	11.9	8.1	18.6	12.1	7.6

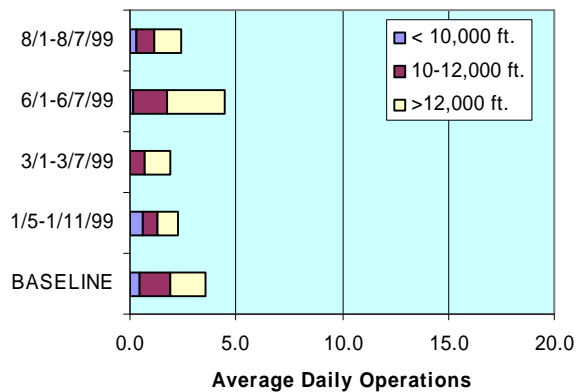
LAX Loop Departure - Hermosa Beach

Monitoring loop
 departures overflying
 community

Occurrence Rate:
August-99 1.7%



Historical Performance (average day):

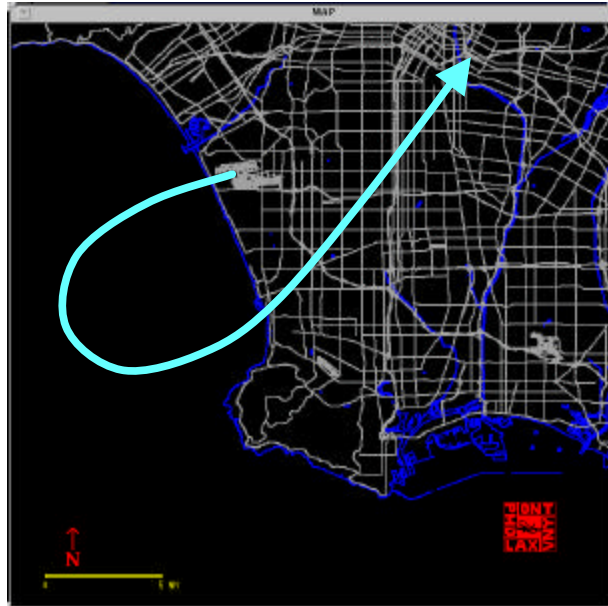


	BASELINE	1/5-1/11/99	3/1-3/7/99	6/1-6/7/99	8/1-8/7/99
< 10,000 ft.	0.4	0.6	0.0	0.1	0.3
10-12,000 ft.	1.4	0.7	0.7	1.6	0.9
>12,000 ft.	1.7	1.0	1.1	2.7	1.3
Total	3.6	2.3	1.9	4.4	2.4

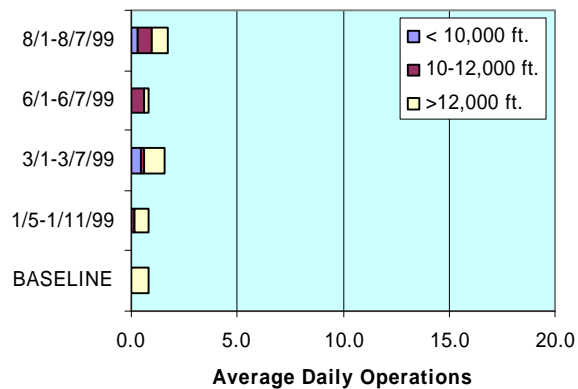
LAX Loop Departure - Redondo Beach

Monitoring loop
departures overflying
community

Occurrence Rate:
August-99 **1.2%**



Historical Performance (average day):



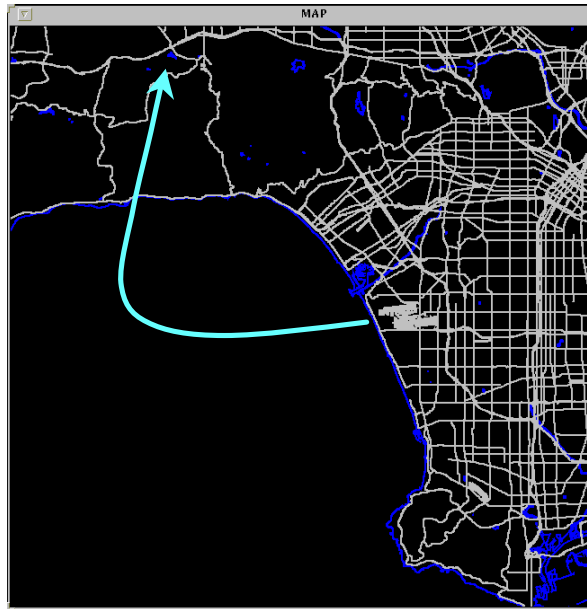
	BASELINE	1/5-1/11/99	3/1-3/7/99	6/1-6/7/99	8/1-8/7/99
< 10,000 ft.	0.0	0.0	0.4	0.0	0.3
10-12,000 ft.	0.0	0.1	0.1	0.6	0.7
>12,000 ft.	0.9	0.7	1.0	0.3	0.7
Total	0.9	0.9	1.6	0.9	1.7

Gorman Departures - Time of Day

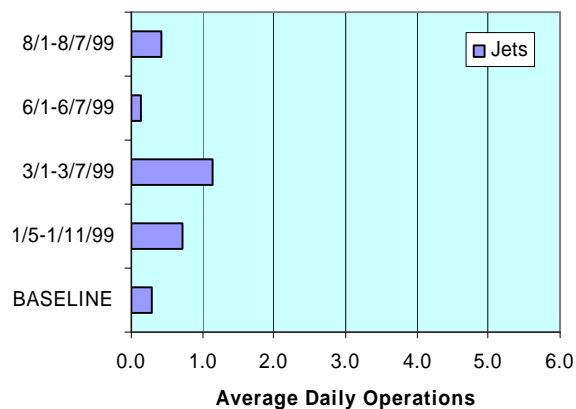
Jets to utilize the
 Gorman departure
 between 0700 and
 2100 only

Recent Compliance:

August-99 99.5%



Historical Performance (average day):



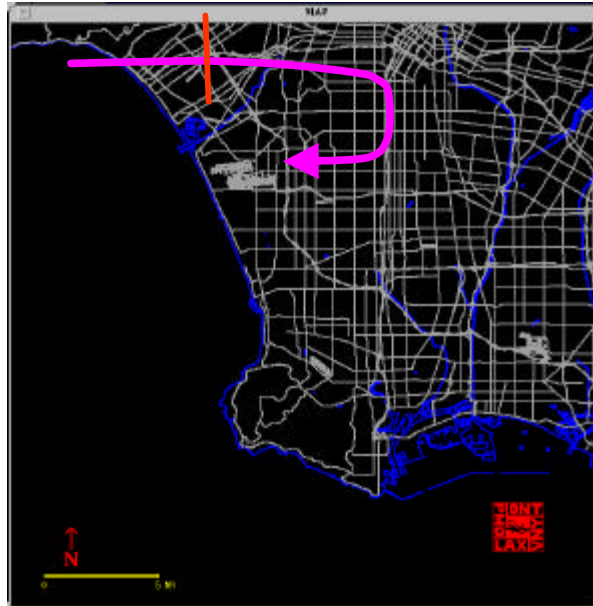
	<u>BASELINE</u>	<u>1/5-1/11/99</u>	<u>3/1-3/7/99</u>	<u>6/1-6/7/99</u>	<u>8/1-8/7/99</u>
<u>Jets</u>	0.3	0.7	1.1	0.1	0.4

LAX Arrivals Over SMO

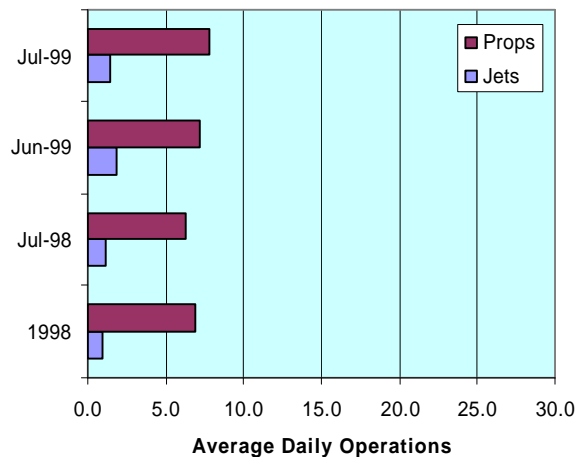
Arriving aircraft to be
 at or above 5000 feet
 over SMO

Recent Compliance:

July-99 97.4%



Historical Performance (average day):



	1998	Jul-98	Jun-99	Jul-99
Jets	0.9	1.1	1.8	1.5
Props	6.9	6.3	7.2	7.8

LAX Arrivals Over 009 Radial

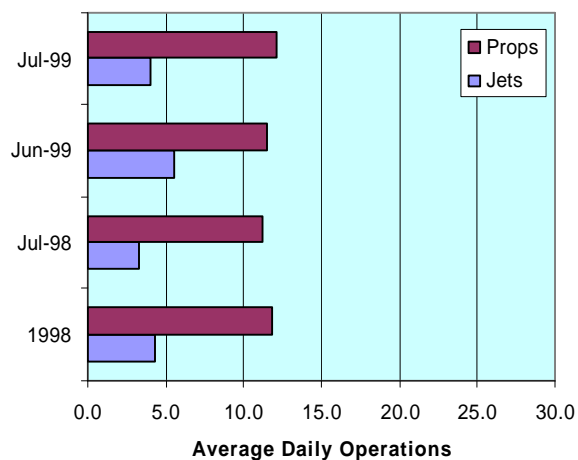
Arriving aircraft to be
 at or above 5000 feet
 at LAX 009 Radial

Recent Compliance:

July-99 95.4%



Historical Performance (average day):



	1998	Jul-98	Jun-99	Jul-99
Jets	4.3	3.3	5.5	4.0
Props	11.8	11.2	11.5	12.1

Short Turn Arrivals

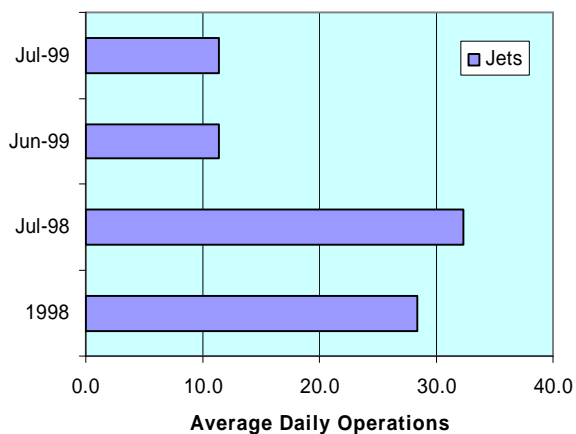
Arriving jet aircraft to
 fly base leg of arrival
 over or east of the
 Harbor Freeway

Recent Compliance:

July-99 **95.5%**



Historical Performance (average day):



	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Jets</u>	28.4	32.3	11.3	11.4

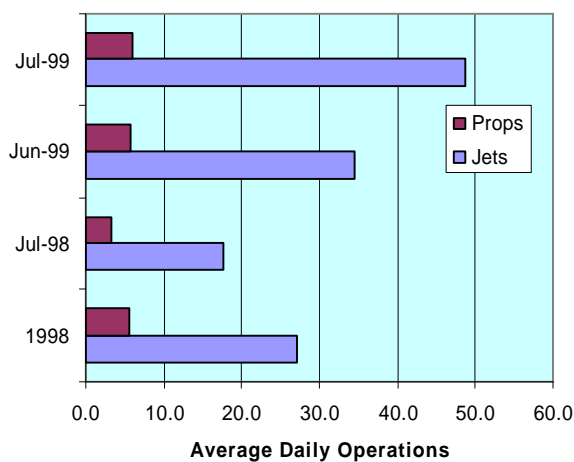
Arrival Altitude at Outer Markers

Aircraft at or above ILS
 glideslope at the outer
 markers

Occurrence Rate:
July-99 94.6%



Historical Performance (average day):



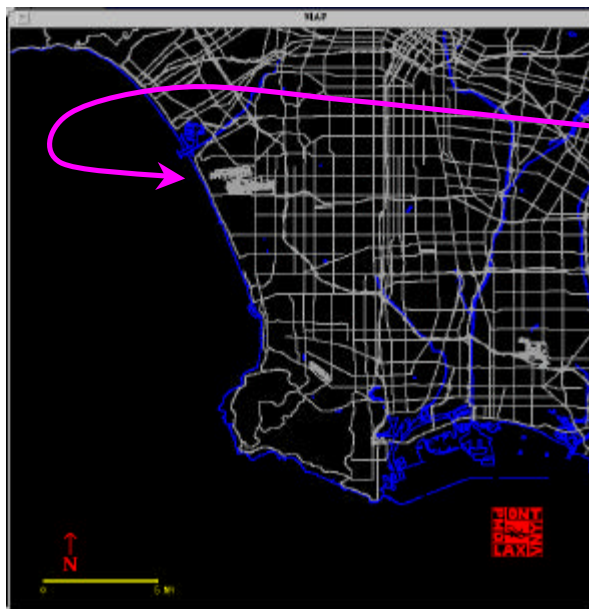
	1998	Jul-98	Jun-99	Jul-99
Jets	27.1	17.6	34.6	48.7
Props	5.6	3.2	5.8	6.0

Over-ocean Arrivals Between 0000-0630

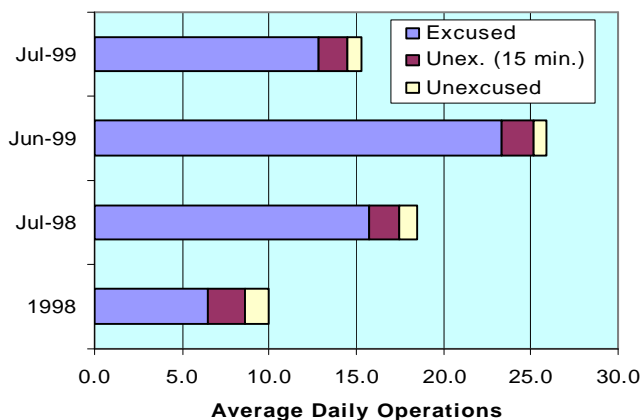
Over-ocean arrivals
 between 0000-0630 -
 deviations for weather
 and maintenance only

Recent Compliance:

July-99 91.4%



Historical Performance (average day):

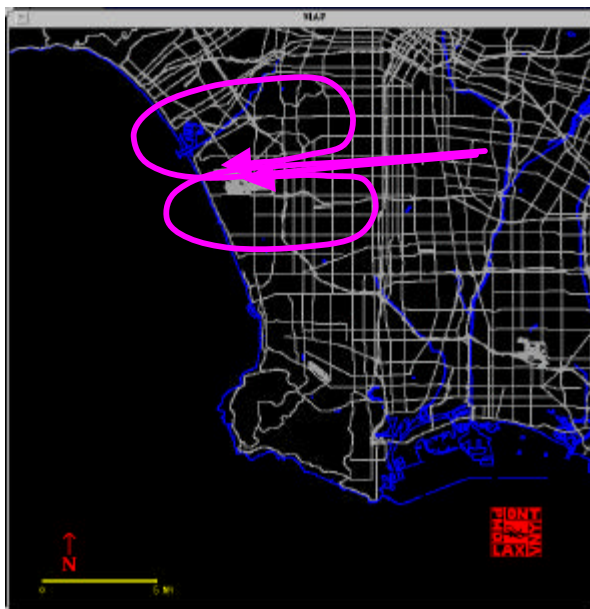


	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Excused</u>	6.5	15.7	23.4	12.9
<u>Unex. (15 min.)</u>	2.1	1.7	1.8	1.6
<u>Unexcused</u>	1.3	1.0	0.7	0.8

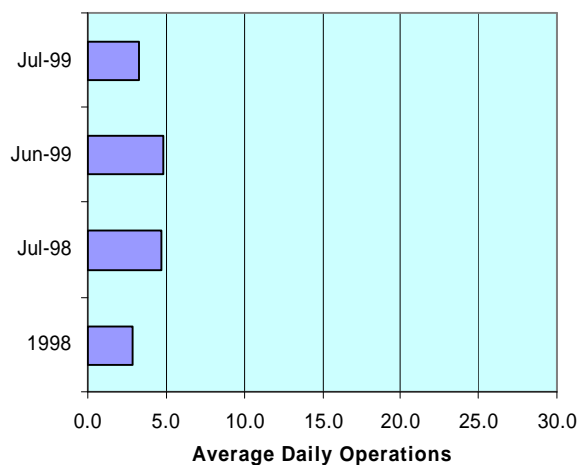
Go-Arounds

Monitoring pilot or ATC
 initiated go-arounds or
 missed approaches

Occurrence Rate:
July-99 **0.3%**

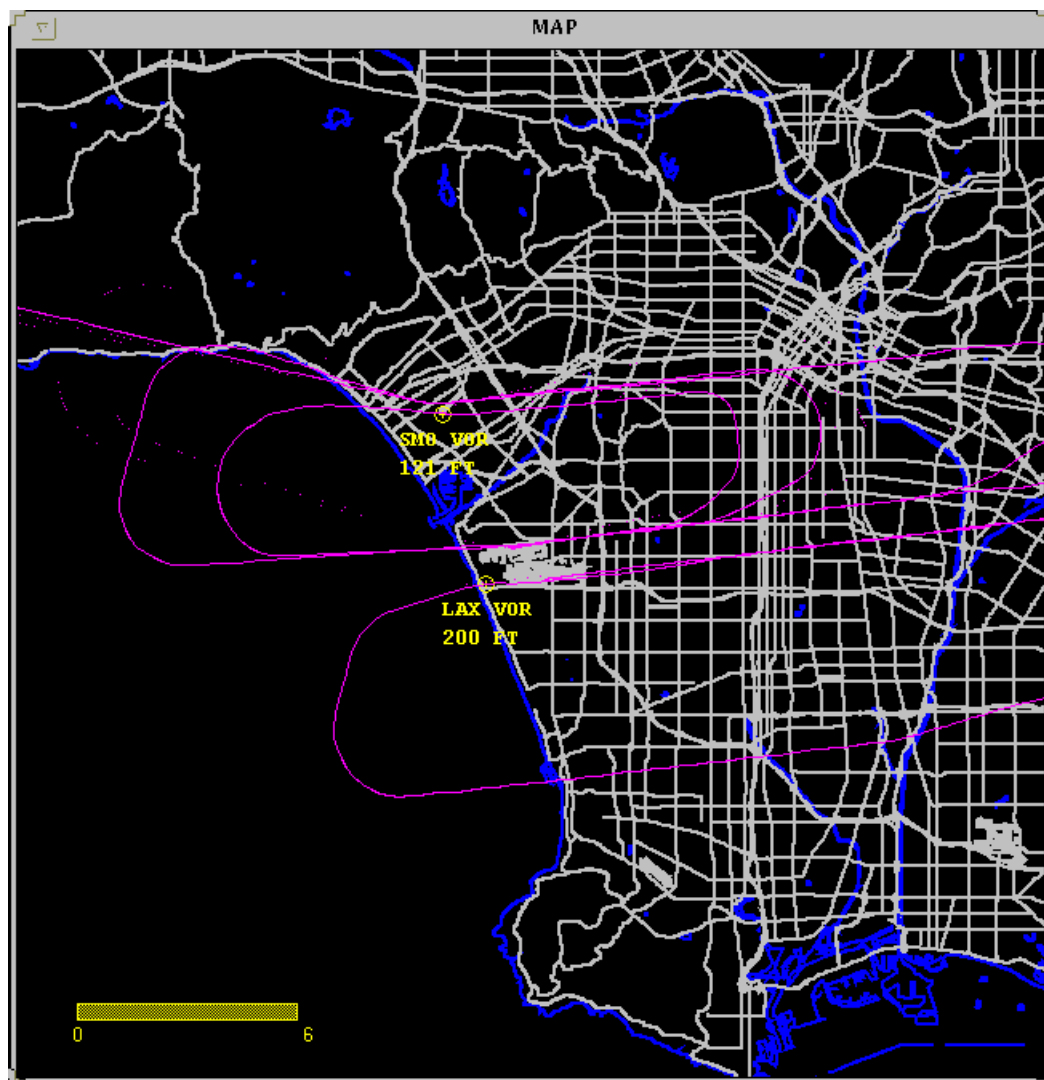


Historical Performance (average day):



	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Go-Arounds</u>	2.8	4.7	4.8	3.3

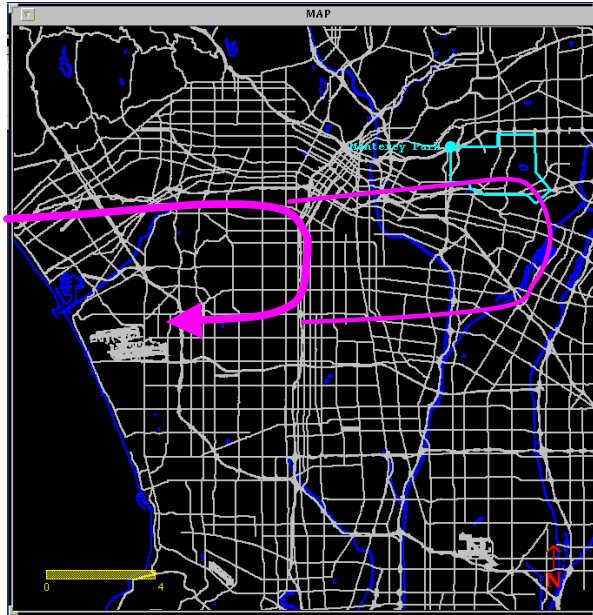
Sample of Go-Around Tracks



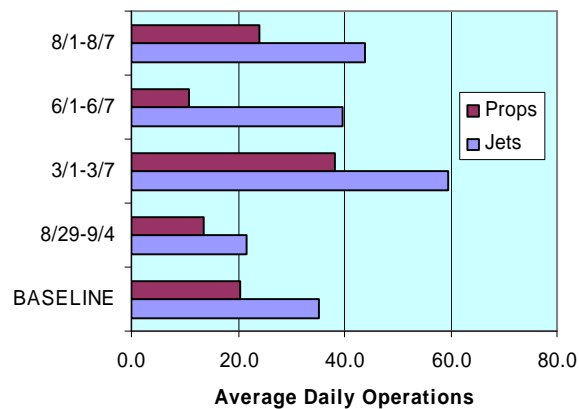
Monterey Park

Monitoring north arrivals
 extending downwind
 over Monterey Park
 boundary

Occurrence Rate:
August-99 22.0%



Historical Performance (average day):

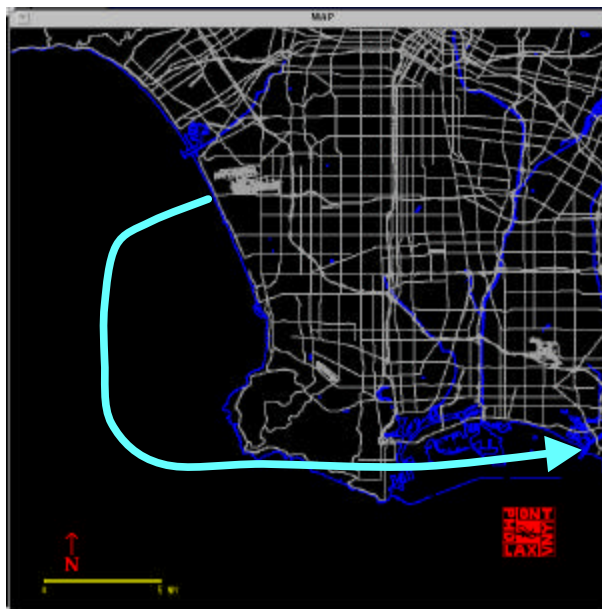


	1998			1999	
	BASELINE	8/29-9/4	3/1-3/7	6/1-6/7	8/1-8/7
Jets	35.3	21.7	59.4	39.6	44.0
Props	20.6	13.6	38.1	10.7	24.0

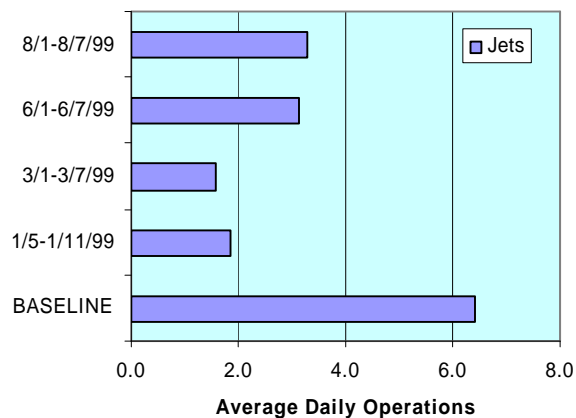
Palos Verdes - Jets

Departing jets to fly
 around peninsula unless
 at or above 13,000 feet

Occurrence Rate:
August-99 1.0%



Historical Performance (average day):

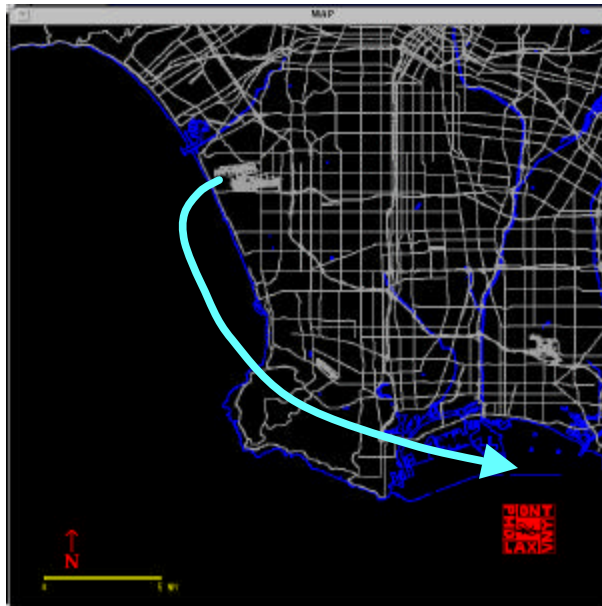


	BASELINE	1/5-1/11/99	3/1-3/7/99	6/1-6/7/99	8/1-8/7/99
Jets	6.4	1.9	1.6	3.1	3.3

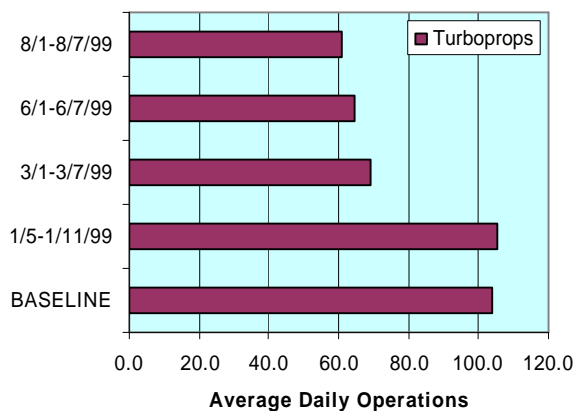
Palos Verdes - Turboprops

Monitoring southbound
 turboprops departing LAX
 that overfly Peninsula

Occurrence Rate:
August-99 50.1%



Historical Performance (average day):

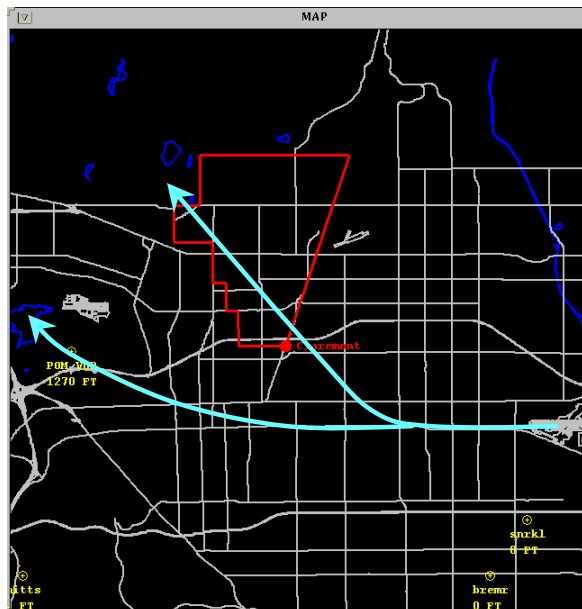


	BASELINE	1/5-1/11/99	3/1-3/7/99	6/1-6/7/99	8/1-8/7/99
<u>Turboprops</u>	103.9	105.6	69.1	64.7	60.9

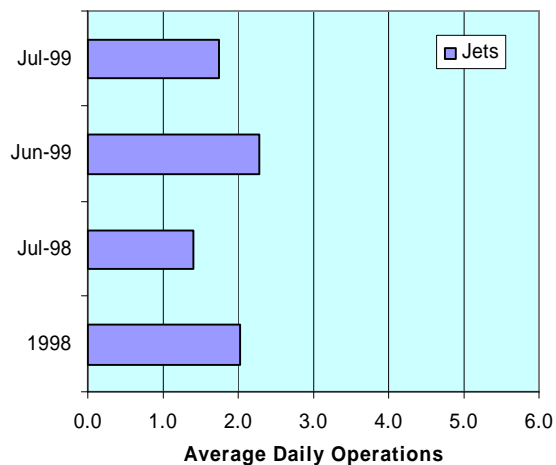
Claremont Overflights

Monitoring jet
 departures over
 Claremont

Occurrence Rate:
July-99 **2.8%**



Historical Performance (average day):



	1998	Jul-98	Jun-99	Jul-99
<u>Jets</u>	2.0	1.4	2.3	1.7

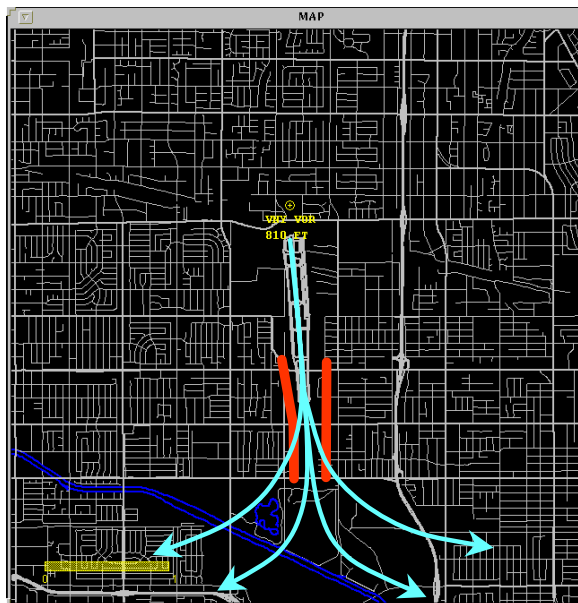
Van Nuys No-Early-Turn Program

Southbound jet aircraft
 to maintain runway
 heading until reaching
 Flood Basin prior to
 commencing turn

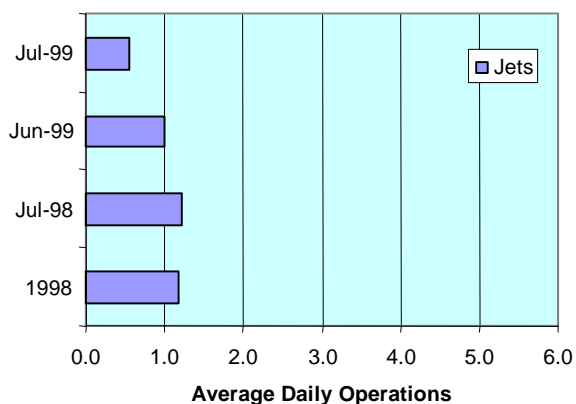
Compliance Rate:

July-99

98.1%



Historical Performance (average day):



	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Jets</u>	1.2	1.2	1.0	0.5

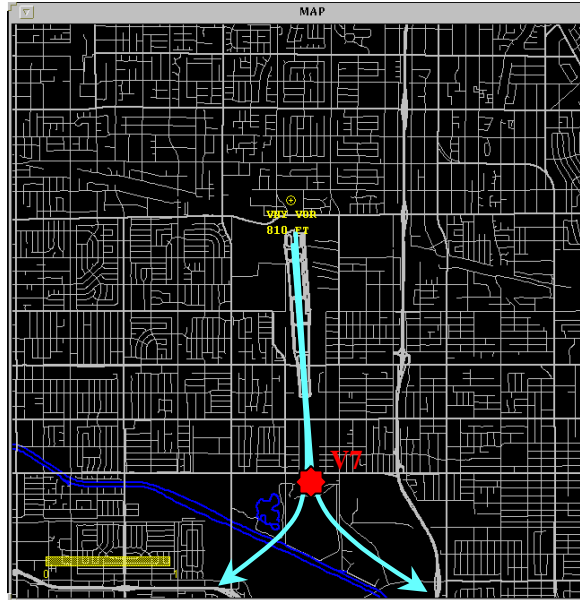
Van Nuys Quiet Departure Program

Southbound jet
 departures' Single Event
 Noise Levels (SEL) to be
 below threshold for that
 aircraft type at V7 NMS

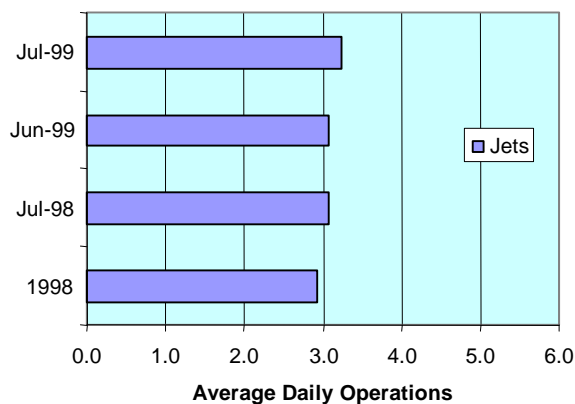
Compliance Rate:

July-99

88.6%



Historical Performance (average day):



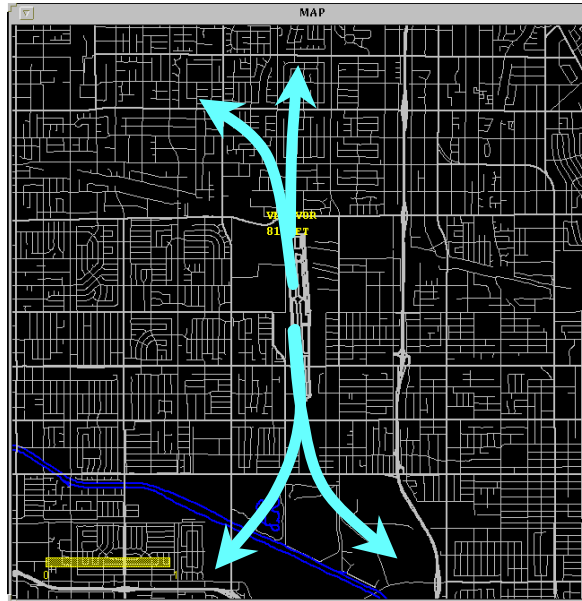
	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Jets</u>	2.9	3.1	3.1	3.2

Van Nuys Jet Departure Curfew

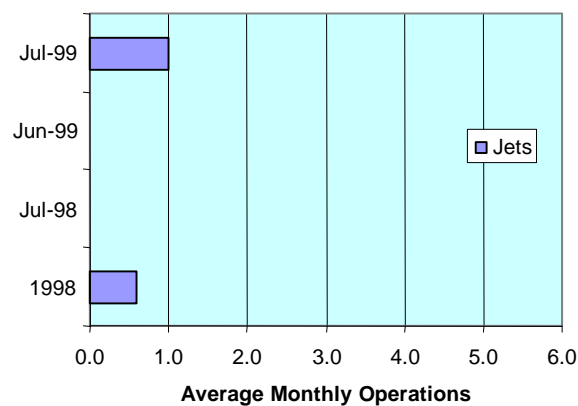
No jet departures from
 2200-0700 for aircraft over
 74 dBA (FAR 36 - 3F)

Compliance Rate:

July-99 99.0%



Historical Performance (average day):

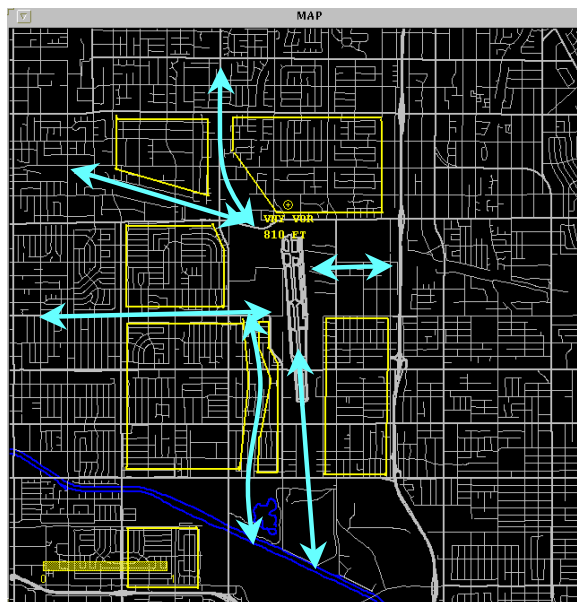


	1998	Jul-98	Jun-99	Jul-99
Jets	0.6	0	0	1

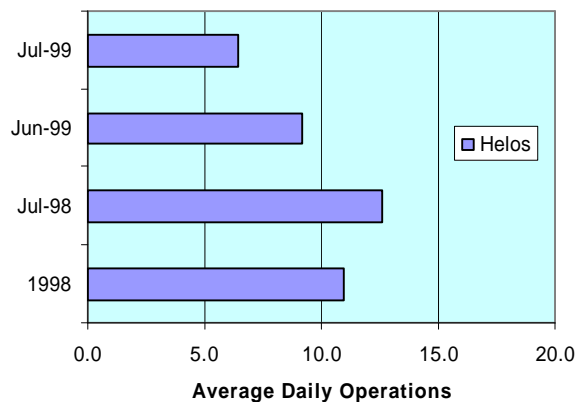
Van Nuys Helicopter Route Violations

Helicopters to follow
 proper ingress/egress
 routes in compliance
 with Letter of Agreement

Compliance Rate:
July-99 87.8%



Historical Performance (average day):



	<u>1998</u>	<u>Jul-98</u>	<u>Jun-99</u>	<u>Jul-99</u>
<u>Helos</u>	10.9	12.6	9.2	6.5